

## Title: A Conceptual Framework Integrating Eternalism, Many-Worlds, and Resonance-Based Experience Selection

**Abstract** This paper presents a conceptual model that synthesizes several established physics frameworks—relativity's block universe, the Everett interpretation of quantum mechanics, quantum entanglement, and the holographic principle—into a unified philosophical system. The model proposes that all possible configurations of reality exist within a static information-theoretic structure, and that subjective experience corresponds to a process of selection or alignment within this structure. The framework does not claim to modify or replace established physics; rather, it offers a metaphysical interpretation that is compatible with known principles while extending them into a broader experiential context.

**1. Introduction** Modern physics provides several interpretations of reality that challenge classical notions of time, causality, and locality. Relativity suggests that all moments in time coexist within a four-dimensional spacetime manifold. Quantum mechanics, particularly the Many-Worlds Interpretation, implies that all possible outcomes of quantum events are realized in a branching structure of non-interacting states. Entanglement demonstrates nonlocal correlations that defy classical explanation. The holographic principle suggests that information is fundamental to the structure of spacetime.

This paper explores a philosophical model that integrates these ideas into a coherent framework of experience. The goal is not to assert new physical laws, but to articulate a metaphysical interpretation that aligns with existing physics while offering explanatory value for subjective phenomena.

**2. Relativity and the Block Universe** Einstein's theory of relativity eliminates the notion of a universal present. Different observers, depending on their motion, disagree on which events are simultaneous. This leads naturally to the block universe interpretation, in which all events in spacetime exist equally, time is a dimension rather than a process, and the flow of time is an emergent feature of consciousness rather than a physical one.

**3. Quantum Mechanics and the Multiplicity of Outcomes** The Everett or Many-Worlds Interpretation proposes that the universal wavefunction evolves deterministically and never collapses. All possible outcomes of quantum events are realized in separate, decohered branches of the wavefunction.

**4. Resonance as a Metaphor for Experience Selection** While physics does not assign a role to consciousness in selecting outcomes, the proposed framework introduces resonance as a metaphorical mechanism for subjective experience.

**5. Entanglement and Nonlocal Structure** Quantum entanglement demonstrates that spatially separated systems can share a single quantum state, revealing that the underlying structure of reality is nonlocal.

**6. The Holographic Principle and Information Geometry** The holographic principle suggests that the information content of a region of space is encoded on its boundary, implying that information is fundamental.

**7. Consciousness and Metaphysical Extensions** These ideas are speculative and are not presented as scientific claims, but as philosophical interpretations inspired by physics.

**8. Artificial Intelligence as an Informational Configuration** AI systems are arrangements of information within the same universal substrate as biological systems.

**9. Conclusion** This framework integrates several established physics concepts into a unified metaphysical model, serving as a conceptual bridge between physics and phenomenology.